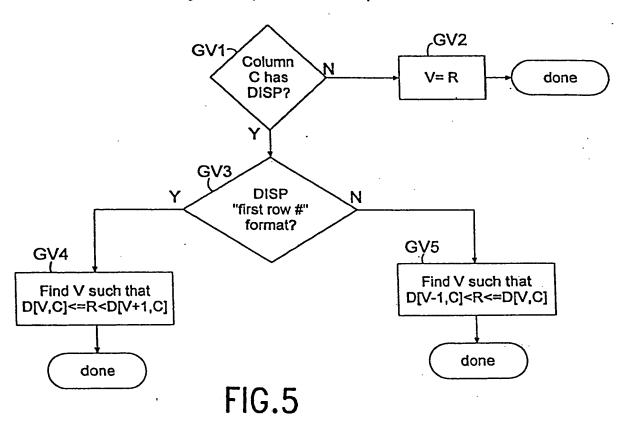
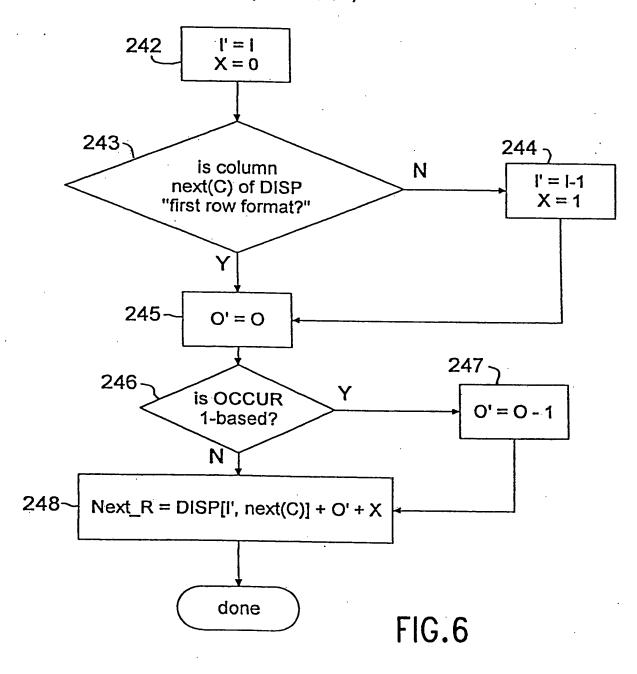
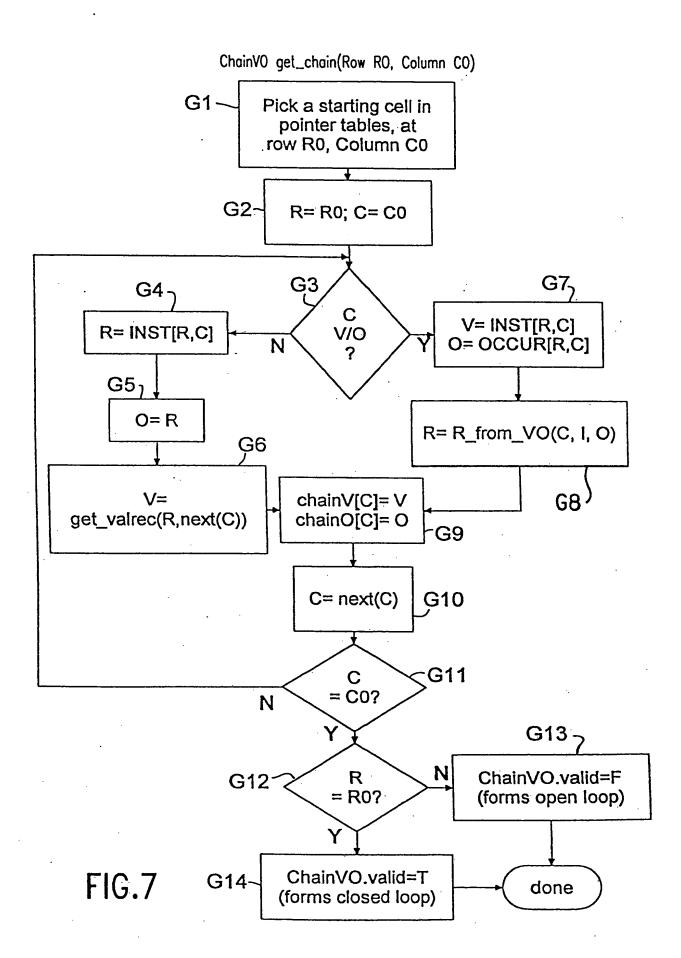


Row get_valrec(Row R, Column C)

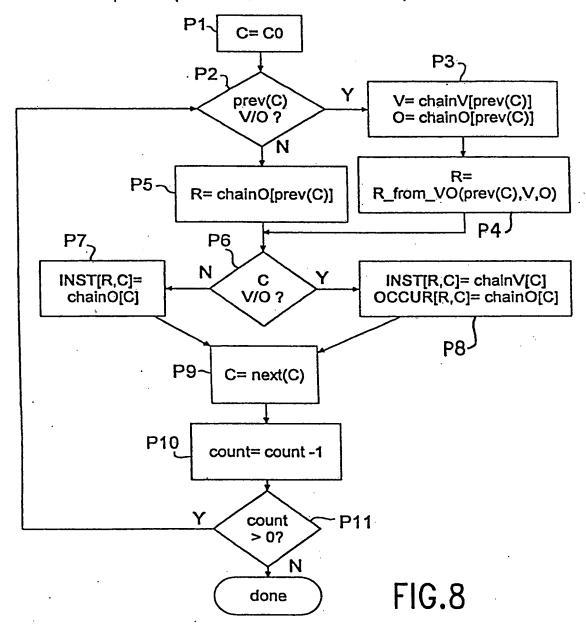


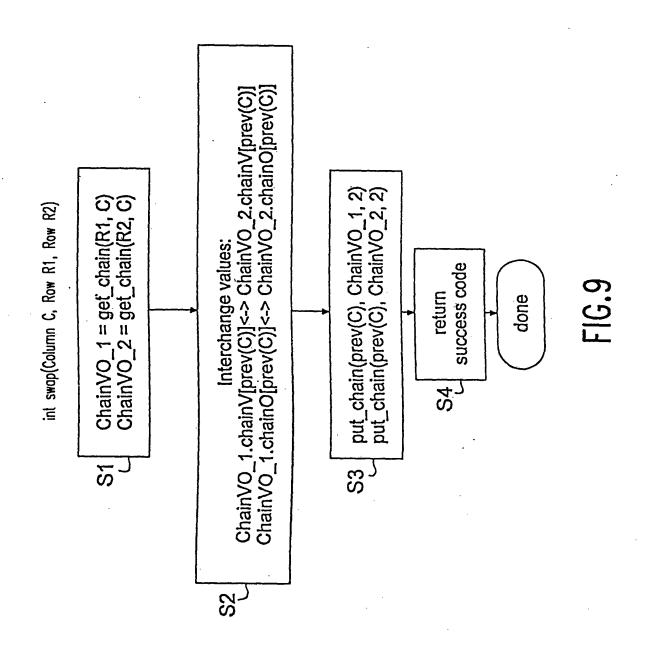
 $Next_R = R_from_VO(Column C, I, O)$





int put_chain(Column CO, ChainVO rec, int count)





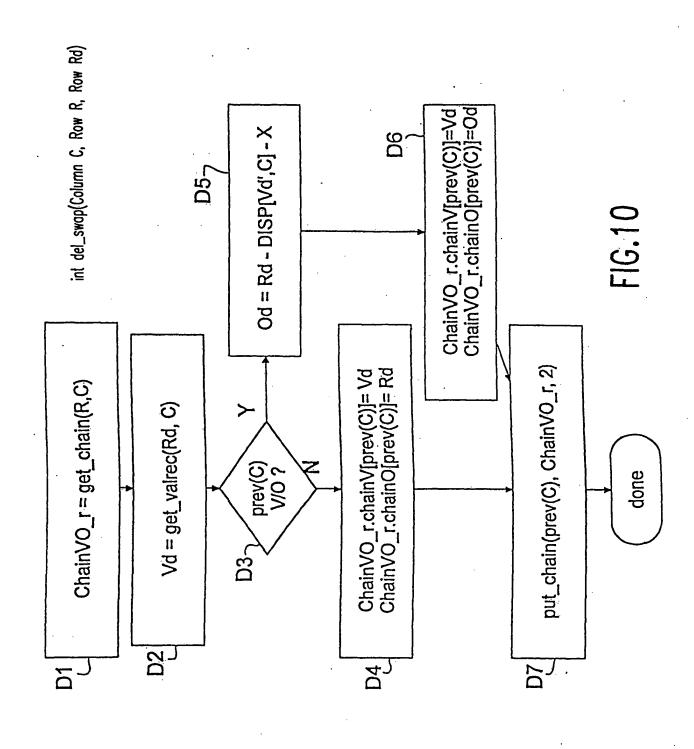
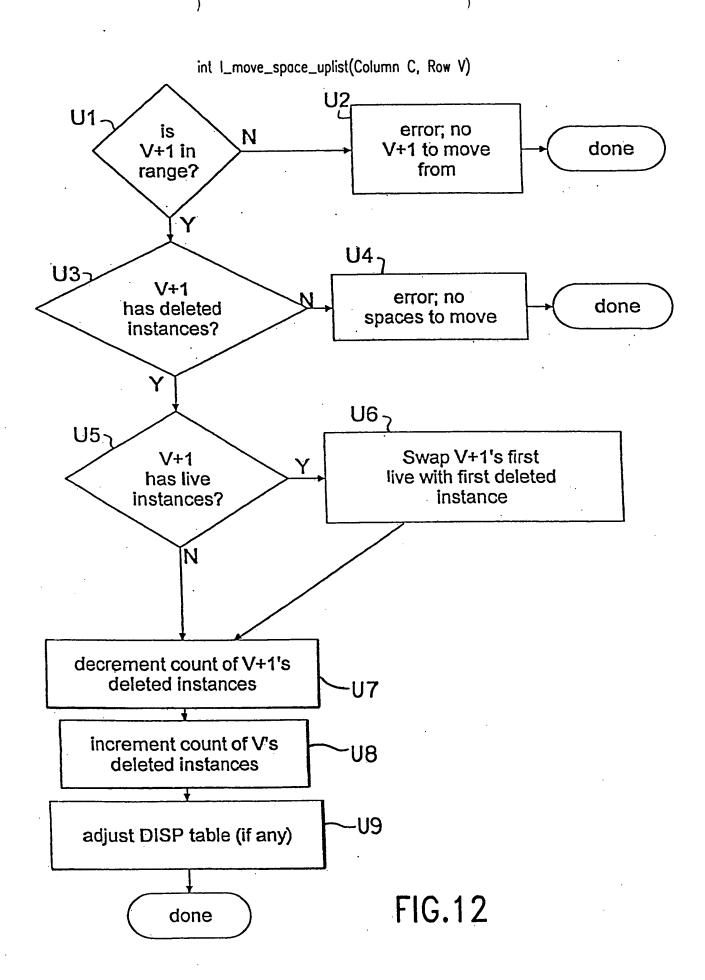
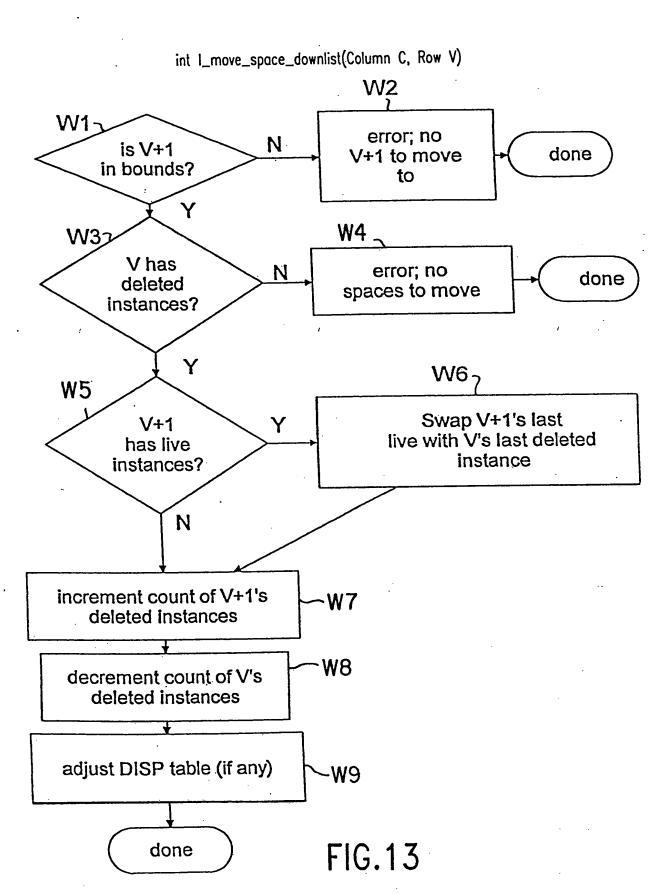


FIG.11





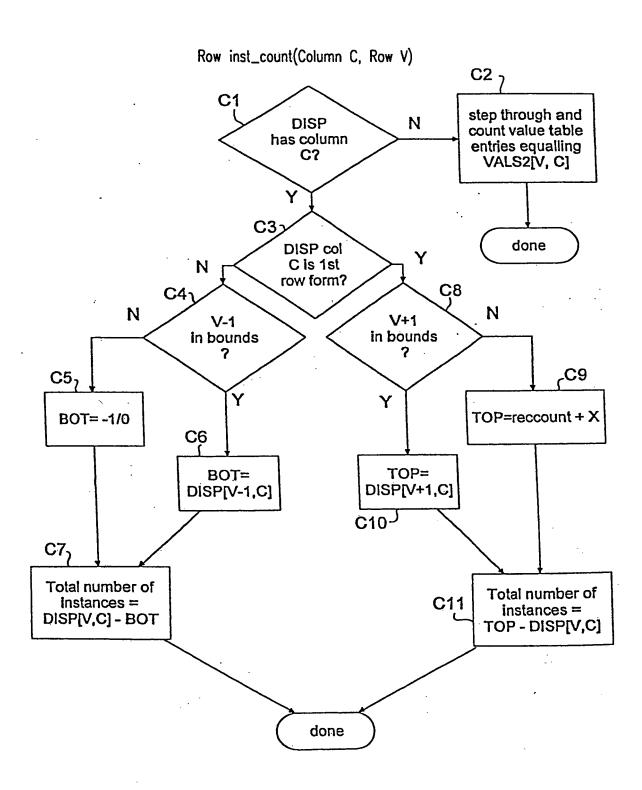
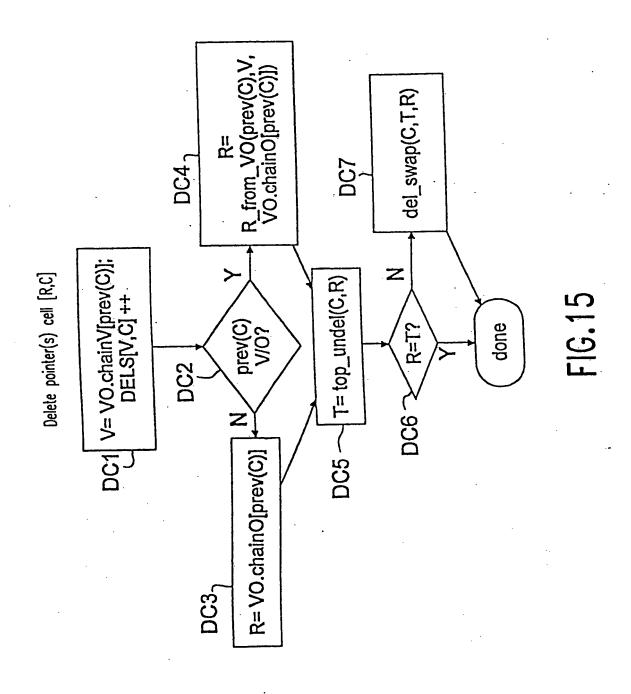


FIG.14



int insert_v(Row V, Column C, void *newvalptr)

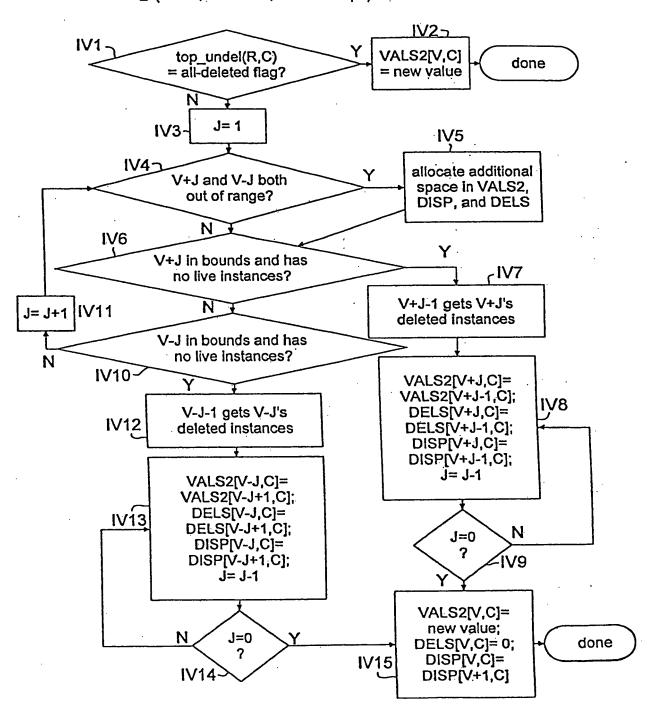
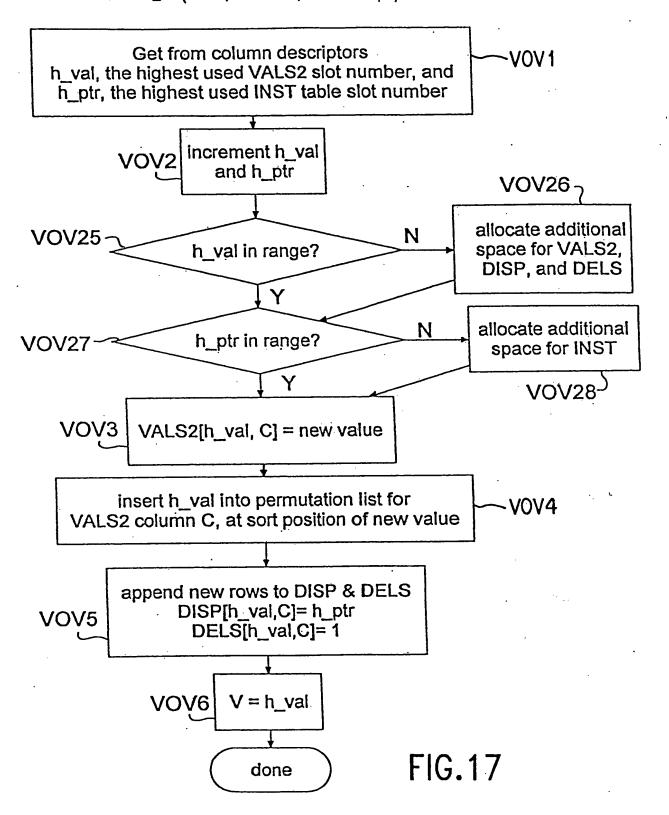


FIG.16



int insert_c(ChainVO VO, Column C)

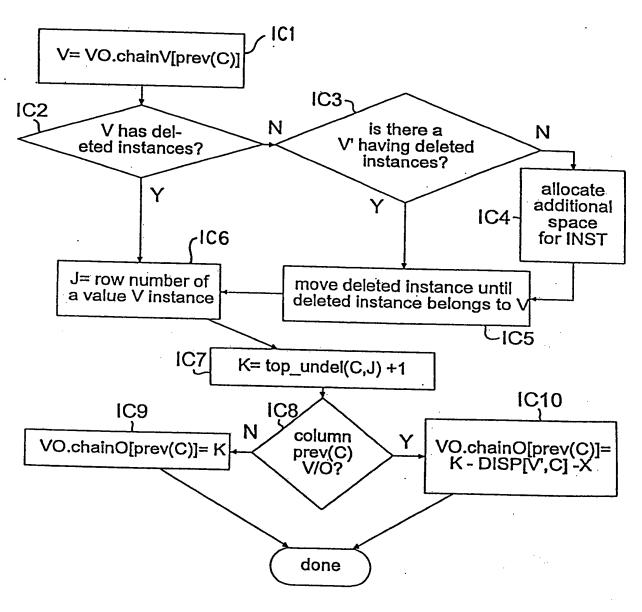


FIG.18

Delete record through cell [RO, CO] of pointer table(s)

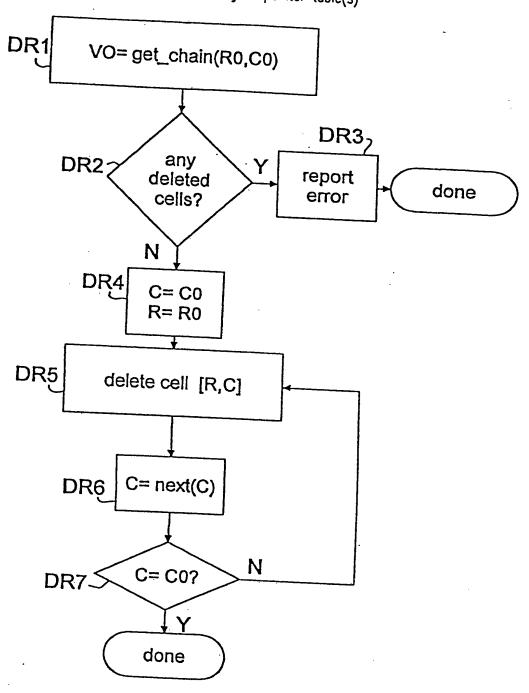


FIG.19

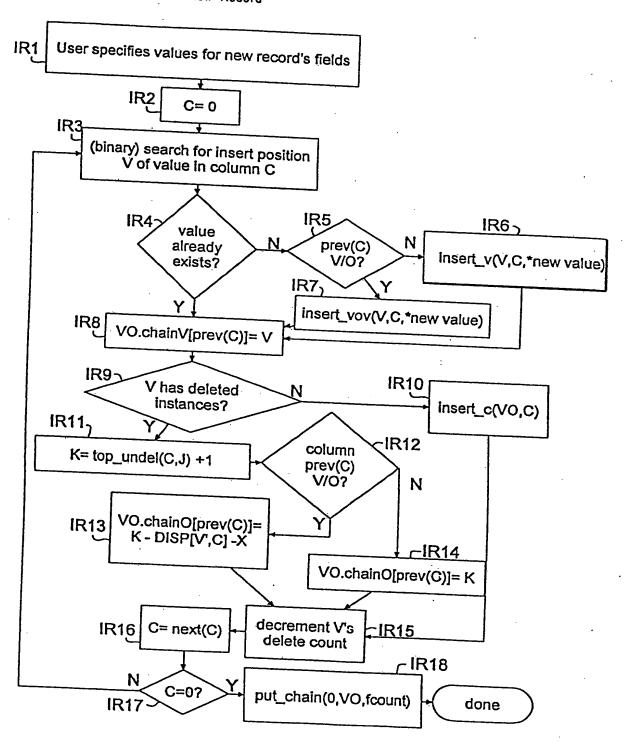


FIG. 20

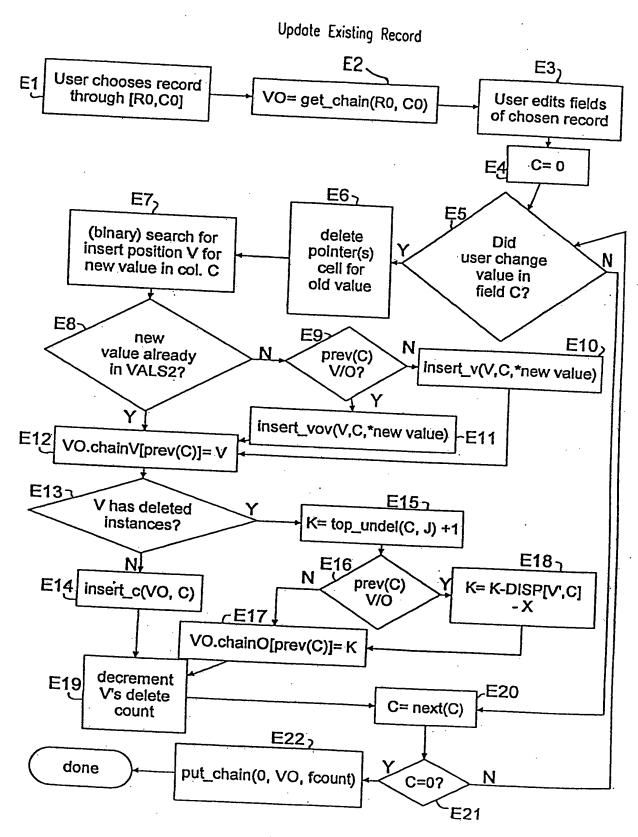


FIG.21

